



MATHS LONG TERM PLANNING DOCUMENT

Curriculum Intent Statement

At Northolmes, we follow the White Rose Scheme of learning. As staff, we know that our children need to work at a slower pace and have time to revisit key concepts. The White Rose Scheme accounts for small steps and time for revisiting and consolidation where needed. Progression of skills and concepts can be found in the Long Term Plan, Calculation and Times Tables Policies. In addition, staff subject knowledge has been an area of development. The White Rose Scheme supports staff in addressing key concepts in a logical order, whilst also providing subject knowledge, useful questioning examples and important models to be used within mathematics teaching.

Our lessons follow a 7-part structure to ensure the mastery approach is supported. This structure allows for clear demonstration of progression through the following pattern:

- Do now (review of previous learning, providing questions to pre-teach the new)
- New Learning (introducing the learning for today, children are often using concrete/pictorial representations, continuous cycle of 'I do, we do, you do')
- Talk task (a carefully selected reasoning task for children to apply their new learning to
- Develop learning (continue 'I do, we do, you do' cycle, moving into the abstract form)
- Independent tasks (presented by chilli challenges which offer differing depths within the same objective)
- Plenary (reasoning task for whole class to discuss and develop language skills)

For our SEN children, our curriculum enables time for them to revisit gaps in their learning in the 'Do Now' section of the learning, and the importance placed on use of resources is fundamental in supporting them to access their appropriate year group objectives.

For our 'more able' or 'rapid grasper' children, additional challenges can be found on slides, they may be encouraged to begin independent tasks sooner or they will have access to deeper tasks within the chilli challenges.

Overview

AUTUMN TERM

Year /Week	1	2	3	4	5	6	7	Half Term	8	9	10	11	12	13	14
R															
1	Previous Reception experiences and counting within 100								Comparison of quantity and part-whole relationships			Numbers 0-5		Consolidation/Problem solving	
2	Numbers 10-100				Calculation within 20				Fluently + and - within 10	Add and sub of 2-digit numbers (1)		Introduction to multiplication			
3	Number facts		Place Value			Addition and Subtraction			Addition and Subtraction			Multiplication and Division A			
4	Place Value			Addition and Subtraction					Area	Multiplication and Division A		Multiplication and Division B			
5	Place Value			Addition and Subtraction		Multiplication and Division A			M&D A	Fractions A			Multiplication and Division B		
6	Place Value		Four operations						Fractions A		Fractions B		Converting units	Ratio	

SPRING TERM

Year /Week	1	2	3	4	5	6	Half Term	7	8	9	10	11	12	
R														
1	Recognise, compose, decompose and manipulate 2D and 3D shapes			Number 0-10					Additive structures				Addition and subtraction facts within 10	
2	Introduction to multiplication			Introduction to division structures		Shape			Shape	Add and sub of 2-digit numbers (2)			Money	Fractions
3	Multiplication and Division B			Length and perimeter					Fractions A			Mass and Capacity		
4	Length and perimeter		Fractions						Decimals A			Decimals B		Money
5	Multiplication and Division B	Fractions B		Decimals and Percentages					Perimeter and area		Statistics		Shape	
6	Algebra		Decimals		Fractions, decimals, percentages				Area, perimeter and volume		Statistics		Shape	

SUMMER TERM

Year /Week	1	2	3	4	5	6	Half Term	7	8	9	10	11	12	13	
R															
1	Addition and subtraction facts within 10	Numbers 0-20				Unitising & coins			Unitising & coins				Position and direction	Time	
2	Fractions	Time	Position and direction	Multiplication and division					Measure	Consolidation/Problem solving					
3	Fractions B		Money		Time				Time	Shape		Statistics	Consolidation/Problem solving		
4	Money	Time		Shape		Statistics			Position and Direction		Consolidation/Problem solving				
5	Shape	Position and direction		Decimals					Negative numbers	Converting units		Volume	Consolidation/Problem solving		
6	Shape	SATs Prep/Exams							Consolidation/Problem solving						

